

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



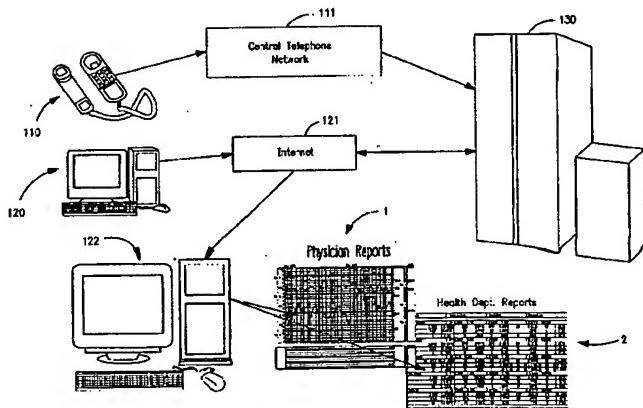
(43) International Publication Date  
20 October 2005 (20.10.2005)

PCT

(10) International Publication Number  
**WO 2005/096920 A1**

- (51) International Patent Classification<sup>7</sup>: **A61B 5/00**
- (21) International Application Number: PCT/US2005/010041
- (22) International Filing Date: 24 March 2005 (24.03.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/556,708 26 March 2004 (26.03.2004) US
- (71) Applicant (for all designated States except US):  
**HEALTHCARELINK [US/US]**; 128 East Grant Street, Lancaster, PA 17602 (US).
- (72) Inventors: BEISWENGER, John, L.; 150 Book Lane, Strasburg, PA 17579 (US). TAUALOFAI, Jody, L.; 1545 North Jefferson Court, Lancaster, PA 17602 (US).
- (74) Agent: BACH, Steven; Barley Snyder LLC, 1000 West-lakes Drive, Suite 275, Berwyn, PA 19312 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS AND SYSTEM FOR PREDICTIVE HEALTH MONITORING



(57) Abstract: An apparatus and system are provided for monitoring an individual, a group or a community of individuals for respiratory infections. Predictive health data, such as waking peak expiratory flow rate ("WPF") and basal metabolic temperature ("BMT") are measured and charted to provide an indication of early stage respiratory infection. Data may be collected for target populations and reported to health agencies for use in combating the spread of infection. An apparatus is provided which can simultaneously measure WPF and " and other health-condition-related values and automatically transmit readings to a data collection and analysis program on a remote computer.

**WO 2005/096920 A1**